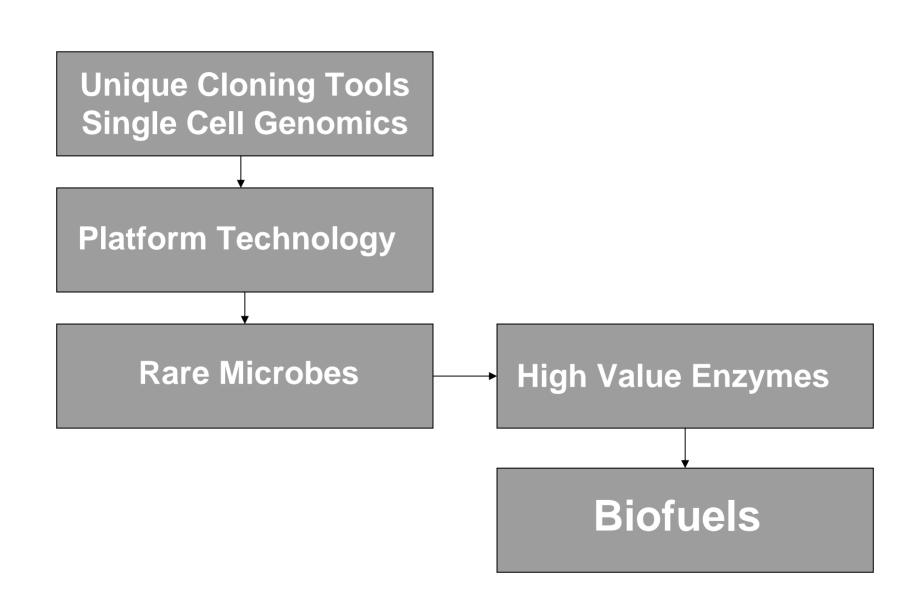
C5-6 develops and markets enzymes to the bio-refining and biofuels industries

- Spun out from Lucigen Corporation-
 - All technology and molecules transferred under a no-charge license arrangement
- Platform technology = \$6 M Grants
 - Discovery tools = 8 years, \$4.5 M
 - Biofuels enzymes = 3 years, \$1.5 M
- \$2 M new grants and loans for C5-6

C5-6 has solved one of the fundamental problems in enzyme discovery.

- The entire \$25B enzyme market is based on material generated from less than 1% of the world's microbes
- The remaining 99% cannot be grown in the lab



C5-6 has the ability to find and produce new enzymes with targeted attributes

- Developing enzymes to fit the process rather than a process to fit the enzyme
- Bioethanol process = 80°C, pH 5-6; requiring thermostable enzymes with specific characteristics

Target customer = Dry Mill Producers

	2005	2012
Production (Gal. B's)	3	7.5 (mandated)
		12.0 (projected)
Facilities on-line	100	

C5-6 Opportunity

Number of Plants	Now	2012	Value	Total 2012
Corn	100	235	\$1.5M ea	\$340 M
Soy	0	35	\$5.0M ea	\$200 M
Other	0	35	\$3.0M ea	\$120 M
Total	100	305		\$660 M

Total C5-6 Market Potential = \$660 M

15% wasted in current process due to limitations of current enzymes

- <u>CornBuster I[™]</u>: 2-3% of starch remains bound to cellulose successful starch release enzymes currently in ethanol plant lab trials
- CornBuster II[™]: 11-13% of corn is cellulose and hemicellulose - candidate cellulases in C5-6 lab testing

CornBuster[™] enzymes are process enhancements, not replacements, for current enzymes

C5-6 enzymes deliver a strong value proposition for dry-mill producers

• +12% efficiency target = \$12M additional production (50 million gallon typical plant/\$2 gallon ethanol)

OR

• \$6M in corn and energy savings if plant is at capacity (corn @ \$2 bushel)

Sales value to C5-6 = \$800k--\$1.5M/year per customer

C5-6's thermostable hydrolases convert soy meal carbohydrate to ethanol

- 2+ billion gallons of ethanol possible from current soy meal production
- Soy market dynamics extremely favorable

Sales value to C5-6 = \$4--\$5M/year per customer

C5-6's ability to convert soy delivers high value to producers and millers in two ways:

- C5-6 enzymes convert zero value carbohydrates to high value ethanol
- Cost-effectively concentrating the protein, increasing its value

Current margin/bushel = \$0.80 New margin/bushel = \$7.20

C5-6 has a short product-to-market timeline

	Characterize	Lab Trials	Pilot	Scale-up Regulatory	Introduction
CornBuster I	Complete	9/06	3/07		11/2007
CornBuster II	Ongoing	6/07	12/07	→	9/2008
SoyBuster	Ongoing	9/07	3/08	→	6/2009

- **David Mead, Ph.D.** Founder & CEO 20 yrs biotech R&D & management; 4 patents
- John Biondi, MBA President 30 yrs business leadership experience; 5 start-ups
- Phil Brumm, Ph.D. Chief Scientific Officer 20 yrs management in industrial enzymes; 7 patents
- Rick Remeschatis, MBA, CFA, CPA, CFO 30 yrs private & public companies

Platform Technology

- CloneSmart® vector technology granted
- Ex cyto PCR amplification technology- pending
- Linear Vector, Host Cells and Enzymes pending
- GC Cloning Technology pending

Molecular Patents

- Viral Polymerase pending
- Novel Thermostable Cellulase pending
- Thermostable Viral Polymerase pending
- Novel Thermostable Hemicellulase in process
- Thermostable Enzymes for Soy Meal Carbohydrate Hydrolysis - in process

Process Patents

- Process for Freeing Entrapped Starch from Corn Fiber- in process
- Process for Producing Ethanol from Soy meal in process

Raising \$5 million

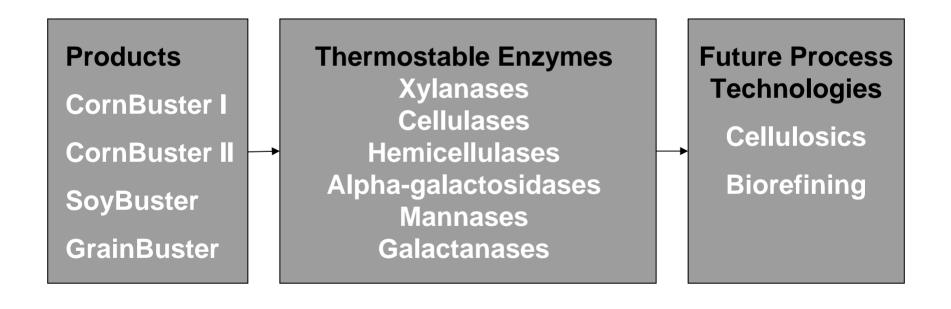
- Completes corn and soy developments
- Deploys direct sales and marketing effort
- Brings company to profitability

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Projected Financials and Market Penetration

	2007	2008	2009	2010	2011	2012
Plants On-line	180	213	238	266	285	305
C5-6 Plants	0	23	48	71	85	100
Total Sales(000)	\$0	\$2,960	\$16,850	\$43,790	\$83,400	\$145,980
Cost of Sales	0	1,480	8,425	21,895	41,700	72,990
Op Expenses	1,254	1,827	2,503	2,866	3,451	3,552
Op Income	(\$1,204)	(\$297)	\$5,972	\$19,079	\$38,299	\$69,488

Enzymes for today's products bridge to tomorrow's biofuels production technologies



Existing Plant: Front-end Enzymes	Existing Plant: Down-stream Enzymes	New Process Plant Development
Genencor - amylases Novozymes - amylases	C5-6 Technologies - high temperature, multi-feedstock	logen - cellulosics, fungal Dyadic - cellulosics, fungal
alliylases		Novozymes - cold process, fungal
		Genecor - cold process, fungal

Existing Plant: New Process Plant Existing Plant: Front-end Enzymes **Down-stream Enzymes Development** C5-6 Technologies logen -Genencor high temperature, cellulosics, fungal amylases multi-feedstock Dyadic -Novozymes -**L**ulosics, fungal **C5-6 Strategy supports** amylases competitors' existing technology **Threat Support** position while threatening their new tech position enecor cold process, fungal